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## 1 [Type-base flow analysis: from polymorphic subtyping to CFL-reachability](#)

Jakob Rehof, Manuel Fähndrich

January 2001 **ACM SIGPLAN Notices , Proceedings of the 28th ACM symposium on Principles of programming language**

Full text available: [pdf\(1.23 MB\)](#) Additional Information: [full citation, terms](#)

We present a novel approach to scalable implementation of type-based flow analysis for polymorphic subtyping. Using a new presentation of polymorphic subtyping constraints, we are able to apply context-free language (CFL) reachability flow analysis. We develop a CFL-based algorithm for computing flow-information ( $n^3$ ), where  $n$  is the size of the typed program. The algorithm subsumes the best previously ...

## 2 [Scalable context-sensitive flow analysis using instantiation constraints](#)

Manuel Fähndrich, Jakob Rehof, Manuvir Das

May 2000 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN Programming language design and implementation, Volume 31**

Full text available: [pdf\(733.76 KB\)](#) Additional Information: [full citation, citations, index](#)


This paper shows that a type graph (obtained via polymorphic type inference) can be used to compute directional flow paths between functions. These flow paths arise from the polymorphic types and correspond to call-return sequences in first-order flow information can be computed efficiently while considering only path

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inferring type i ...

### 3 Progress in Picture Processing: 1969--71

Azriel Rosenfeld


June 1973 **ACM Computing Surveys (CSUR)**, Volume 5 Issue 2

Full text available:  [pdf\(2.34 MB\)](#) Additional Information: [full citation, terms](#)

### 4 Graph attribution as a specification paradigm

Bowen Alpern, Alan Carle, Barry Rosen, Peter Sweeney, Kenneth Zadeck

November 1988 **Proceedings of the third ACM SIGSOFT/SIGPLAN symposium on Practical software development e**  
24 Issue 5 , 2


Full text available:  [pdf\(1.10 MB\)](#) Additional Information: [full citation, citings, index](#)

An interactive software development environment can be viewed as a structure provided that structure is broadly interpreted. The user sees and manipulates various levels of detail. Many of the implications of changes are analyzed for the user as frequently as the user wishes, without a mode change from edit to help. To help provide these services in a uniform way that can readily respond

### 5 Modeling california earthquakes and earth structures

Michael R. Raugh


November 1985 **Communications of the ACM**, Volume 28 Issue 11

Full text available:  [pdf\(5.06 MB\)](#) Additional Information: [full citation, index terms](#)

Seismology has burgeoned into a modern science—force-fed by federal technology for detecting underground nuclear explosions and predicting industry to improve tools for gas and oil exploration. Computers, seismic telemetry, and data reduction have played key roles in this growth.

### 6 IFIP Congress-62, Munich, Germany, August 27-September 1, 1962

June 1962 **Communications of the ACM**, Volume 5 Issue 6

Full text available:  [pdf\(1.35 MB\)](#) Additional Information: [full citation](#)

## 7 Graphic update of automated logic diagrams

Richard J. Uhlik

July 1968 **Proceedings of the fifth annual 1968 design automation automation**


Full text available:  [pdf\(1.09 MB\)](#) Additional Information: [full citation](#), [citings](#), [inde](#)

The Automated Logic Diagram, or ALD, is a well defined document prepared to specify the design of a machine. 1 The document is coded for computer transcription personnel. Changes or corrections are batched for a master process. Because of the number of queues involved, a day or more is normally required for the process. A project was undertaken to investigate the utility of a graphic

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Ann White

November 1977 **Proceedings of the 5th annual ACM SIGUCCS conference**


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## 9 From Electron Mobility to Logical Structure: A View of Integrated Circuits

Wesley A. Clark

September 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 3

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## 10 Data mining: Mining the peanut gallery: opinion extraction and semantic product reviews

Kushal Dave, Steve Lawrence, David M. Pennock

May 2003 **Proceedings of the twelfth international conference on data mining**

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The web contains a wealth of product reviews, but sifting through them an opinion mining tool would process a set of search results for a given product attributes (quality, features, etc.) and aggregating opinions about mixed, good). We begin by identifying the unique properties of this problem for automatically distinguishing between positive and negative reviews. information ...


**Keywords:** document classification, opinion mining

# 11 Signal integrity optimization on the pad assignment for high-speed \

Kai-Yuan Chao, D. F. Wong

December 1995 **Proceedings of the 1995 IEEE/ACM international Computer-aided design**

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In this paper, an efficient method is proposed to effectively minimize both noise and crosstalk that are inevitably caused by package inductance in a design of high-speed/high-bandwidth circuits. Due to its efficiency, our method is incorporated into existing circuit floorplanning and placement schemes for chip and packaging. For a set of industrial circuits/packages tested in our experiments, our method achieves ...

**Keywords:** pad assignment, signal integrity, crosstalk, simultaneous signal floorplanning, packaging

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*Shelekhov, V.I.; Kuksenkov, S.V.;*  
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**3 An attribute graph grammar for signal flow gra**  
*Adachi, Y.; Kobayashi, S.; Tsuchida, K.; Yaku, T.;*  
Control Applications, 1999. Proceedings of the 1999 IEE  
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**4 An incremental flow- and context-sensitive poir  
aliasing analysis**  
*Yur, J.-S.; Ryder, B.G.; Landi, W.A.;*  
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*Battocletti, J.H.; Knox, T.A.;*

Magnetics, IEEE Transactions on , Volume: 30 , Issue: 6 , Nov 1994

Pages:5008 - 5014

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**2 On the advantages of polar and log-polar mapping for direct estimation of time-to-impact from optic flow**

*Tistarelli, M.; Sandini, G.;*

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 15 , Issue: 4 , April 1993

Pages:401 - 410

[\[Abstract\]](#)    [\[PDF Full-Text \(948 KB\)\]](#)    **IEEE JNL**

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### 3 **Characterization of electron flow in negative- and positive-polarity linear-induction accelerators**

*Rosenthal, S.E.;*

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Pages:822 - 830

[\[Abstract\]](#)   [\[PDF Full-Text \(696 KB\)\]](#)   **IEEE JNL**

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### 4 **Hierarchical motion history images for recognizing human motion**

*Davis, J.W.;*

Detection and Recognition of Events in Video, 2001. Proceedings. IEEE Workshop on , 8 July 2001

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### 5 **Visualization of coronary stenosis plotted on nuclear polar images**

*Spruijt, H.J.; Wahle, A.; Marques, K.M.J.; Westerhof, N. Heethaar, R.M.; Dijk, W.A.; Dassen, W.R.M.; Visser, F.;*

Computers in Cardiology 2001 , 23-26 Sept. 2001

Pages:281 - 284

[\[Abstract\]](#)   [\[PDF Full-Text \(372 KB\)\]](#)   **IEEE CNF**

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### 6 **Versatile model for power flow control using FACTS devices**

*Ying Xiao; Song, Y.H.; Sun, Y.Z.;*

Power Electronics and Motion Control Conference, 2000 Proceedings. PIEMC 2000. The Third

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Pages:868 - 874 vol.2

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### 7 **Internal wave detection and wavelength estimation**

*Marghany, M.;*

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International , Volume: 1 , 28 June-2 July 1999

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**8 Dynamic scene analysis from the polar form of image flow representations**

*Urbano, L.; D'Alvano, F.; Lollett, C.; Gonzalez, G.;*

Devices, Circuits and Systems, 1998. Proceedings of the 1998 Second IEEE International Caracas Conference on 4 March 1998

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**9 Measurement and simulation of high voltage-wi interactions**

*Cooke, D.L.; Pakula, W.; Davis, V.A.; Mandell, M.J.; Tau M.; Enloe, C.L.;*

Plasma Science, 1996. IEEE Conference Record -

Abstracts., 1996 IEEE International Conference on , 3-5 June 1996

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**10 Direct estimation of time-to-impact from optical flow**

*Tistarelli, M.; Sandini, G.;*

Visual Motion, 1991., Proceedings of the IEEE Workshop on , 7-9 Oct. 1991

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[\[Abstract\]](#)   [\[PDF Full-Text \(584 KB\)\]](#)   [IEEE CNF](#)

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**11 A new relaxation algorithm for power flow**

**analysis***Huang, G.; Ongsakul, W.;*

Circuits and Systems, 1990., IEEE International Symposium on , 1-3 May 1990

Pages:1276 - 1280 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(404 KB\)\]](#)   **IEEE CNF****12 A physicalist approach to first-order analysis of optic flow fields in extrastriate cortical areas***Sabatini, S.P.; Solari, F.; Carmeli, R.; Cavalleri, P.; Bisi G.M.;*

Artificial Neural Networks, 1999. ICANN 99. Ninth International Conference on (Conf. Publ. No.

470) , Volume: 1 , 7-10 Sept. 1999

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### 6 IFIP Congress-62, Munich, Germany, August 27-September 1, 1962


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*Chen, T.-H.; Chen, M.-S.; Hwang, K.-J.; Kotas, P.; Che E.A.;*

Power Delivery, IEEE Transactions on , Volume: 6 , Issue 3 , July 1991

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*Seki, K.;*

Transmission and Distribution Conference and Exhibition 2002: Asia Pacific. IEEE/PES , Volume: 2 , 6-10 Oct. 20

Pages:1124 - 1127 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(325 KB\)\]](#)   **IEEE CNF**

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**3 A rigid approach of generalized power flow analysis for distribution systems**

*Jiansheng Lei; Youman Deng; Ying He; Boming Zhang;*  
Power Engineering Society Summer Meeting, 2000.  
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